We claim:

- 1. A method of forwarding a packet comprising:
- determining a logical grouping of a plurality of virtual private network tunnels
- 3 based on a classification criterion;
- 4 classifying a received packet based on said classification criterion; and
- 5 based on a result of said classifying, using a selection algorithm associated
- 6 with said logical grouping to determine one of said plurality of virtual private
- 7 network tunnels on which to forward said packet.
- 1 2. The method of claim 1 wherein said selection algorithm is a table look-up
- 2 algorithm.
- 1 3. The method of claim 1 wherein said classifying said received packet comprises
- 2 inspecting contents of said received packet.
- 1 4. The method of claim 1 further comprising:
- 2 determining a logical sub-grouping of said plurality of virtual private network
- 3 tunnels based on a further classification criterion; and
- 4 further classifying said received packet based on said further classification
- 5 criterion.
- 1 5. The method of claim 1 wherein said selection algorithm includes a traffic
- 2 balancing algorithm.
- 1 6. The method of claim 1 wherein said virtual private network tunnels are defined as
- 2 Multi Protocol Label Switching label switched paths.
- 1 7. The method of claim 6 wherein said received packet has includes destination
- 2 address and said selection algorithm involves determining a label for a network
- 3 element having said destination address.
- 1 8. A router operable to:

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2	determine a logical grouping of a plurality of virtual private network tunnels
3	based on a classification criterion;
4	classify a received packet based on said classification criterion; and
5	based on a result of said classifying, use a selection algorithm associated with
6	said logical grouping to determine one of said plurality of virtual private
7	network tunnels on which to forward said packet.
1	9. A computer readable medium containing computer-executable instructions which,
2	when performed by processor in router, cause the processor to:
3	determine a logical grouping of a plurality of virtual private network tunnels
4	based on a classification criterion;
5	classify a received packet based on said classification criterion; and
6	based on a result of said classifying, use a selection algorithm associated with
7	said logical grouping to determine one of said plurality of virtual private
8	network tunnels on which to forward said packet.
1	10.A method of forwarding a received packet in a virtual private network comprising:
2	associating a logical grouping of a plurality of virtual private network tunnels
3	with a classification criterion;
4	inspecting said received packet for a characteristic meeting said classification
5 .	criterion; and
6	if said received packet has said characteristic meeting said classification
7	criterion, forwarding said received packet on one of said plurality of virtual
8	private network tunnels.
1	11. The method of claim 10 further comprising, if said received packet has said
2	characteristic meeting said classification criterion, modifying said received packet
3	before said forwarding.

1 12. The method of claim 11 wherein said modifying comprises encapsulating said

18

- 2 received packet.
- 1 13.A router operable to:
- 2 associate a logical grouping of a plurality of virtual private network tunnels
- 3 with a classification criterion;
- 4 inspect said received packet for a characteristic meeting said classification
- 5 criterion; and
- 6 if said received packet has said characteristic meeting said classification
- 7 criterion, forward said received packet on one of said plurality of virtual private
- 8 network tunnels.